

Structural Orientation in the Condensations of
2,4-Dimethyl-1,3-Pentadiene, by I. N. Nazarov,
M. V. Mavrov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1959, pp 1068-1070.

CB

Sci
Jun 61

157, 9/12

Dehydration of Ethylenic Alcohols, by I. N.
Nazarov, M. V. Mavrov, 3 pp.

RUSSIAN, per, Iz Nauk SSSR, Otdel Khim Nauk,
No 3, 1958, pp 365-366.

Consultants Bureau

Sci - Chem

Apr 60

112,310

Diene Condensations of ~~Ge~~-Substituted Butadienes. II.
1,1,2-Trimethylbutadiene, by I. N. Nazarov, M. V.
Mavrov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4, 1959,
pp 1158-1163.

Consultants Bureau

Sci

Jun 60

117,647

Diene Condensations of Gem-Substituted Butadienes. III.
1,1-Dimethyl-2-isopropylbutadiene, by I. N. Nazarov,
M. V. Mavrov, ~~255~~ 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4,
1959, pp 1169-1175.

Consultants Bureau

Sci

Jun 60

117,642

Substituted Cyclopentadienes and Related Compounds I.
1,3-Dimethylcyclopentadiene.

By V. A. Mironov, M. V. Mavrov, pp. 8

RUSSIAN, per Zhur Obshch Khim, Vol XXXII,
No 8, 1962, pp. 2723-2730.

CB

340,707

Sol

Jul 63

Chemistry of Polyenic and Polyacetylenic Compounds.
Communications 7. Study of the Hydration of Ethy-
lenic Acetylenic Alcohols, by M.V. Nevrov and V.F.
Zucharov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No
7, 1966, pp. 1267-1274.

CB

Sci

340, 965

Ref (3)

Diene Condensations of Gem-Substituted
Butadienes, by I. I. N. Nazarov, M. V. Mavrov,
10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII,
No 11, 1958, pp 3061-3070.

Consultants Bureau

Sci

Dec 59

103,162

(FDD 26406)

For High Rates of Automation in Radio Production, by
V. Mavrodiadi.

RUSSIAN, per, Radio, Sep 1955, pp 23, 24.

CIA/FDD Sum 739

28,490

USSR

Econ - Technological, machine building

Application of Radio Engineering Methods to the
National Economy, by V. Mavrodin, 8 pp. UNCLASSIFIED

RUSSIAN, no per, Radio, No 8, 1952, pp 19-22.

ATIC F-TS-8112

USSR
Scientific - Electronics

6270

ATIC 82219

CIA 1901354

Oct 53 CTS

HD #61³

(NY-L-956).

Outline of the University of Leningrad, by V. V.
Mavrodin, 22 pp.

RUSSIAN, bk, Leningradskiy Universitet, 1957,
pp 71-105.

JPRS-L-956-N

Sci - Misc
Sep 59

96,485

(2266-H)

Manufacture of Titanium Carbide and Ferrotitanium from
Indigenous Raw Material, by Dr. Socolescu, A. Triandaf,
V. Mavromati, Al. Isopescu, 5 pp.

RUMANIAN, per, Metalurgia si Constructia de Masini,
Vol X, No 10, Bucharest, Oct 1958, pp 847, 848.

JPFS 1392-3

Rur - Rumania

Econ - Minerals and Metals

Apr 59

85,408

Investigation of the Dehydration of Isomeric C_6
Alkenols, by I. N. Masarov, M. V. Mavrov, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3,
1959, pp 472-483.

CB

Sci -
May 61

153,036

The Question of Labor Force in Building Socialism
in Our Country, by Ma Wen-jui, 13 pp.

CHINESE, per, Hung-ch'i, No 5, 1 Mar 1961.

AmCorden, Hong Kong
Selections From China Mainland Mag
No 253
20 Mar 1961

FE - China

Soon

143,431

Apr 61

46

(NY-4319)

On Advanced Arrangement and Determination of
Personnel, Ma Wen-shui, 10 pp.

CHINESE, per: Leo-tung, No 4, 18 Feb 1960, pp 3-7.

JPRS 5351

FE - China

Econ

Aug 60

123,403

Measurements of the Gauss Effect of Various
Semiconductors at 10,300 and 600 Megacycles, by
P. S. Ramer, J. O. Max, Friedrich K. Von Willisen,
18 pp.

GERMAN, per, Archiv der Elektrischen Übertragung,
Vol XI, No 1, 1957, pp 1-7.

SLA 59-10874

Sci - Electronics

Sep 59

Vol II, No 2

98,688

A. Achievements of Food Industry in the First 19 Years of Controlled National Economy, by R. Bretschneider; B. New Techniques Improve Output; C. Some Remarks on Bakeries and Their Development, by F. Janicek; D. Mann Agar Solution With Yeast Autolyte As Medium for Cultivating Milk Fermentation Microbes, by ~~Wassili~~ Veroslav Mana; E. Increase of the C-Vitamin Contents in Chokeberries by Heating Them in the Saus Conserving Procedure, by V. Kysling; F. Freezing Industry Enlarges the Line of Frozen Products, by M. Smotlacha, E. Adamak, 50 pp.

CZECH, per, Průmysl Potravin, No 6, Prague, 1955, pp 2, 13, 18, 38, 41, 46. (CIA R 538760)

EEur - Czechoslovakia
Economic

ACS, I, C-063

(NY-6430)

Possibilities of Increasing Soil Fertility
in Oltenia, by I. Mixim, 5 pp.

^(np)
RUMANIAN, ~~EEUR~~ Agricultura Noua,
21 Nov 1961, pp 1, 4.

JPRS 11972

EEur - Rumania
Econ
Jan 62

181, 349

Diene Condensations of Gem-substituted Butadienes,
by I. N. Nazarov, M. V. Mykhov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958,
pp 86-89.

Consultants Bureau

Sci - Chem:

Jun 59

88,785

On Acoustic Radiation Pressure, by Oslan K.
Mavardi. UNCLASSIFIED

FRENCH, per, Le Journal de Physique et la Radium,
Vol XVII, 1956, p 384.

Navy 2492/UNRL 6

Sci - Physics
May 60

115,901

Max-Claudet, Aymon Francois.
YELLOW INORGANIC COLORANTS, THEIR MANU-
FACTURING PROCESSES AND APPLICATIONS.
[1961] 4p.

Order from OTS or SLA \$1.10

62-10036

Trans. of French patent 953 424 [1949].

DESCRIPTORS: *Ceramic materials, *Colors,
Inorganic substances, Pigments, Manufacturing
methods, Titanium compounds, Tungsten compounds,
Nickel compounds, Oxides, Anhydrides.

In joining nickel oxide or the substances producing this
oxide, to the mixture of tungstic anhydride and tita-
nium oxide, a much more intense yellow colorant than
the "maize yellow" of Arnoux is obtained, which is
particularly applicable in the enameling of earthen-
ware and equally utilizable in the glazing of stoneware.
(Materials--Ceramics, TT, v. 7, no. 10) (over)

62-10036

1. Max-Claudet, A. F.
II. Patent (France) 953 424

208211

Office of Technical Services

Determination of Calcium, Strontium, and Magnesium
by Radiometric Titration With Complexon, by T.
Braun, I Maxim, I. Galateanu, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 5, 1959,
pp 542-546.

CB

Sci
Sep 60

126,241

Automatische Auftragsschweissung auf Werkzeuge unter
legierenden Pasten; translated by L. Neese. 1955. by
B. V. Maximov

Translated from the Russian edition, 1952. Bound
with Kossmatschew, J. G. Automatische Auftragss-
chweissung auf mehrschneidige Werkzeuge.

DSIR 621.9
Lending Lib Unit
G. 11226/0

Radiosonde of Prof P. A. Molochanov's Design by
B. Krivitsky, M. Maximov.

UNCLASSIFIED

RUSSIAN, no per, Radio, No 2, 1953, pp 18-20.

SCIA 605.27

Scientific - Electronics

Jun 54 CTS/DMX

12,712

Basi Services Free, by M. Maximov, 5 pp.

RUSSIAN, pamphlet, For the Benefit of Man,
Soviet Land Booklets New Delhi, 1962.

CIA Use
Booklet Obtainable
Acquisition Branch Lib

Jun 62

Mutomycin, A New Antibiotic Produced by
Actinomyces Atroolivaceus, by G. P. Gauze, T. S.
Maximova, 5 pp.

RUSSIAN, per, Antibiotiki, Vol IV, No 3, 1959,
pp 20-23.

SLA 60-10960

Sci

OTS, Vol III, No 6

Sep 60

126,840

On the Standardization of Geometrical Elements of
Blades, by V. A. Maximov, I. I. Naumov, 9 pp.

~~SECRET~~

RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,
pp 3-6.

F-TS-10221/III

ATIC ~~MEMO/REF~~

Sci - Engr

Aug 60

123,856

Information USSR, Vol L of the Great Soviet
Encyclopaedia, by I. R. Maxwell (Editor), 800 pp.

RUSSIAN, bk.

Pergamon Press
Headington Hill Hall
Oxford

Sci

Aug 60

Airborne Communication-Navigation and Radar
Equipment of the USSR, by Kilian, ~~and~~ May,
(AF 1075189).

GERMAN, rpt, 19 Nov 1956, 12 pp.

ATIC F-TS-9137/III

Sci - Aeronautics
May 1957 CTS/dex

48,086

Sand Sprayer for Motor Vehicles, by Alexander May,
Otto Steckhan, 4 pp.

FRENCH, Patent No 1,616,818

Dept of Commerce
Patent Office
Sci Lib

SLA-64-11618

Sci - ~~ENR~~ Engr
Sep 59

97,872

(DC-6347)

Certain Problems of Automatic Control and Regulation in the Production of Phenol-Formaldehyde Resins, by N. Ya. Parlashkevich, Yu. M. Duzhkov, A. V. May, et al, 19 pp.

RUSSIAN, per, Mekh i Avtomat Proiz, No 3, 1961, pp 17-20.

JPRS 10869

175, 462.

USSR
Eccc

Dec 61

May, Etienne and Netter, A.
EDEMATOUS SCLERODERMA TREATED BY RADIO-
THERAPY AND GANGLIONARY INFILTRATIONS.
[1961] 3p.
Available on loan from SLA

61-16567

Trans. of Société Médicale des Hôpitaux de Paris.
Bulletins et Mémoires (France) 1944 [ser. 3] v. 60,
no. 1, p. 6-8.

DESCRIPTORS: *Scleroderma, Radiation effects,
*Ganglia, *Acetylcholines, Therapy

(Biological Sciences--Pathology, TT, v. 6, no. 4)

61-16567

I. May, E.
II. Netter, A.

Office of Technical Services

Properties of Extruded Chipboards laminated with Surface
Layers From Fishes, by A. Burro, E.-A. May.

GERMAN. ger. Wald Als Holz - Und Werkstoff. Vol 19, 1961,
pp 479-482.

(NRC/Ref: C-4998) (NRC TT-1129 (mines - \$2.00)

Sci -
Sept 67

H. D. in #4

399.971

Properties of Selected Highways Located with
Surface Layer Core Material, by Hans-Albrecht May
and Hans-Albrecht May.

CHINA, p. 1, 1954-1955, 1956, 1957,
vol. 20, pp. 1-12.
SEC C-1990

Hans-Albrecht May

1954/1955
Aug 66

397,783

High Quality Finishing of Cellulose Fibres
With Special Reference to Suitable Test
Methods, II, by K. May O. Rothe, L. May.

GERMAN, per, Melland Textilberichte,
Vol XL, 1959, pp 1069-1073.

OSIRO

Sci - Engr
Apr 62

190,348

An Attempt to Determine the State of Division
of Urea-Formaldehyde Resins in Cellulose
Fibres and Fabrics, by K. May, O. Rothe.

GERMAN, per, Melliand Textilber, Vol XXXVIII,
1957, pp 92-96.

ASLIB-GB39

R01
Aug 58

70,851

The Serum Vitamin B₁₂ Concentration in Leukemia, by
L. I. YAVOROVSKIY, L. A. MAY, 4 pp.

RUSSIAN, per, Problemy Gematol i Perelivaniya Krovi,
Vol V, No 12, 1960, pp 22-25.

FP

165,544

Sci

Aug 61

Kinetics of the Formation and Hydrolysis of
D-Mannosaccharo-1, 4, 3, 6-Dilactone, by L. A.
May, 3 pp

RUSSIAN, per, Zhur Obsnch Khim, Vol XXX, No 4,
1960, pp 1097-1098

CB

Sci
May 61

154,068

Acidity Constants of Diastereoisomeric Tetrahydroxy-
adipic Acids and Their Monolactones, by L. A. May,
5 pp

RUSSIAN, per, Zhur Obsheh Khim, Vol XXX, No 4,
1960, pp 1091-1096

CB

Scl
May 61

154,067

Rules Governing the Changes in Acidity and
Basicity in a Homologous Series of α,ω -Bi-
functional Compounds. II. Rules Governing
the Changes in Basicity of Some Homologous
Series of Primary Amines, by L. A. May, 1 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX,
No 2, 1959, pp 561-564.

Consultants Bureau

Sci

112,354

Apr 60

40
Influence of Diffusion in Elastic and Plastic
Deformation, Especially the Alloy Systems of
Fe-C and Fe-N, by M. May.

GERMAN, per. Freiburger Fachschriften, No 855,
1960, pp 1-73.

*NBS TT 70-57542

Sci-Mat
Aug 70

m. May

d

Cold Pressing of Symmetrical and Asymmetrical
Parts, by O. May.

GERMAN, per, Werkstattstechnik, Vol XLIX, Jan 1959,
pp 22-26.

BIBI 3132

Sci - Math & Data Processing
Jun 63

232, 190

Artificial Radioactivity in Spring and River Water,
R. May, H. Schneider, 6 pp.

GERMAN, per, Atomkernenergie, Vol V, 1960, pp 333-335.

UKABA
Risley, DEG Inf Ser-275

Sci - Nuc Phys
Mar 62
List 63

³
188, 942

53
The bronchopulmonary organization of the mouse, by
Jean-Louis Happort, Raoul-Michel May, 11 pp.
FRANCE, per. Bull de l'Assoc des Anatomistes:
47th Meeting, Naples, Mar 1961, pp 26-31.
ARC/ANL-Tr-2197-69

Raoul-Michel May

601/841
NOV 69

393,514

Metallography - Study of the Self-Diffusion of
Zirconium in the BCC β Phase Note, by Dimitri
Volokoff, Serge May, Yves Adda, 4 pp.

FRENCH, per, Comptes Rendus, Vol CCLI, 1960,
pp 2341-2343.

AEC Tr-344 4534

Sci
Jun 61

155,941

Road Construction in Egypt, by Werner May, 13 pp.
10 2044578

GERMAN, per, Bauplanung-Beutechnik, Berlin, Dec
1956, pp 135-142.

ACS, I, G-8462

NE/A - Egypt

46,530

Econ

Apr 57 CTS

Normal Mode Distribution According to Frequency
Spectrum and Direction in a Rectangular Room,
by Da Yu Maya, 6 pp.

RUSSIAN, per, Akust Zhur, Vol IV, No 2, 1958,
pp 168-173.

AIP
Sov Phys-Acoustics
Vol IV, No 2

195,553

May 62

(FDD 22077)

Short Review of Literature of the Theme - The
People-Creator of History, by K. Golikov,
I. Mayak, Yu. Sharapov, 14 pp.

RUSSIAN, no per, Bibliotekar', No 1, Moscow, Jan
1954, pp 6-11.

19,966

CIA/FDD/U-6666

57
Synthesis of Chlorine-Substituted Polytarpenes
Additives for Lubricating Oils, by

V. A. Frokoryakov & Ye. P. Mayakova, 5 pp.

RUSSIAN, part. Trudy Leningradskogo Tekhnicheskogo

Instituta, No 63, 1966, pp 182-195.

FTD-IT-67-256

FTD-IT-67-256

Ye. P. Mayakova

Sci/Art

Jul 68

360,106

What Is Good and What Is Bad, by V. Mayakovsky, 16 pp.

RUSSIAN, bk.

Four Continents Book Corp
822 Broadway
New York 3, NY

May 60

A Calculation of Frequency and Form Derivatives
of Normal Vibrations of Molecules Possessing
Symmetry, by L. S. Mayants, 4 pp.

RUSSIAN, per, Optika i Spektro, Vol VIII, No 2,
1960, pp 199-205.

Osa

Sci

Apr 61

149,507

(DC-4736)

Prof Abubekr Gireyevich Teregulov, by K. A.
Mayanskaya, A. I. Golikov, D. Ya. Potekhin, 4 pp.

RUSSIAN, per, Kazanskiy Med Zhur, No 2, 1960,
pp 119-121.

JPRS 6859

USSR

Biog

Mar 61

142, 411

(NY-3001/6).

On Hydrometallurgical Processing of Copper-Zinc
Concentrates, by A. D. Mayanta, F. I. Barotitskaya,
11 pp.

RUSSIAN, per, Byul' Tsvetnoy Metallurg Tsentral
Inst Informat, No 7, {108}, 1958, pp 21-25.

JPRS 2370

USSR

Econ - Technological

Apr 60

113,980

Use of Flocculants for Settling Pulp in the
Production of Zinc, by A. D. Mayants, F. I.
Barotitskaya. UNCL

RUSSIAN, per, Zavetnye Mat, Vol XXXI, No 1,
1958, pp 44-47.

DSIR LIU RTS 1406

(10s. 04.)

Sci - Min/Mat
Mar 60

111,073

(FDD 21769)

The Multiple ~~xxxx~~ Level Storage Facilities for
Tank Materiel, by Engr Col I. Pesnikov, Engr
Col L. Mayants, 5 pp.

RUSSIAN, no per, Tankist, No 9, Moscow, Sep 1950,
pp 57-60.

USSR

Mil - Tank ~~xxxx~~ parts storage

CIA/FDD/U-6286

RT-1890

18,306

The Hydrometallurgical Treatment of High Silica
Zinc Concentrates, by A. D. Mayants, F. I. Barotit-
skaya.

RUSSIAN, per, Tsvetnyye Metally, Vol XXXI, No 3,
1958, pp 46, 47.

SLA: 61-13494

DSIR LLU RTS 1594

Sci - Min/Met

Oct 60

128,854

Numerical Solution and Numerical Analysis of the
Solutions to Homogeneous Systems, of Linear Alge-
braic Equations of General Type, by L. S. Mayants, 4/19

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 1,
1960, pp 51-54.

AIP
Sov Phys-Doklady
Vol V, No 2

Sci
1960, Nov

132, 758

(SF-1879)

Vibrational Spectra of Organo-Phosphorus Compounds,
by Ye. M. Popov, M. I. Kabachnik, L. S. Mayants,
39 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXX, No 7, 1961,
pp 846-876.

JPRS 11033

176,467

Sci - Chem

Dec 61

Computation of the Characteristic Vibrations
of Phosphorus Compounds. Characteristic
Vibrations of the Molecules POCl_3 , POBr_3 ,
 PSCl_3 and PSBr_3 , by L. S. Mayants, E. M. Popov,
M. I. Kisechnik, 8 pp.

RUSSIAN, per, Optika i Spektro. Vol VI, No 5,
1959, pp 589-593.

Optical Society
of America

Doc

103832

Doc 59

On the Nature of the High Specificity of the CH
Bending ~~R~~Vibrations of Saturated Hydrocarbons,
by L. S. Mayants, E. ~~g~~G. Galpern, 5 pp.

RUSSIAN, per, Optika i Spektro, Vol XVI, No 5,
1964, pp 744-752.

Optical Soc of Amer

SUi-
Aug 64

265,411

Inclusion of the Dependency of Coordinates in the
Theory of Molecular Vibrations, and Associated
Questions, by L. S. Mayants, 5 pp.

RUSSIAN, per, Optika i Spektro, Vol XVI, No 5,
1964, pp 753-762.

Optical Soc of Amer

Sci-
Aug 64

265,412

MAYANTS, M.

Monthly Periodical:
Tekstil Prom, No 8,
Moscow, Moscow, 1990Increasing the Durability of Color of Wool Fabrics
(by use of Substance GP-10) Economic Textiles

Russian

A 7753

UNCLASSIFIED

USSR

OCS Tr, GMD-56 QM 7-270

The Elimination of Dependent Coordinates in the
Theory of Vibration of Polyatomic Molecules,
by L. S. Mayants, *Yap.*

RUSSIAN, thrice-mo per, Dokl Akad Nauk SSSR, Vol LXXXIX,
No 3, 1953, p 423. CIA 9002162

USSR LLU (Krim) ¹⁵⁴ Natl Sci Foundation Tr ³⁷
Scientific - Physics Jul 53 CFS/DEX

~~3897~~ 4060.

ON THE GLYCOPROTEID COMPONENT OF MENSTRUATION,
BY YE. I. TAYAKANOV, Y. F. MAYAKOVA, 8 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I
EMBRIOLOGII, VOL XLII, NO 2, 1968, PP 61-65.

JPRS 13989

SCI - MED

JUN 68

197,698

40
Metal Reduction in Agricultural Machinery Urged,
by A. S. Mayat, 7 pp.
RUSSIAN, per. Mekhanizatsiya i Elektrifikatsiya
Sotsialisticheskogo Sel'skogo Khozyaystva, Moscow,
No 8, 1962, pp 27-29.
JPRS 49122

A. S. MAYAT

Sci-Agri
Nov 69

393.732

(SF-1504)

Occupation -- Parasite, by E. Mayat, I. Uzkov, 12 pp.\

RUSSIAN, per, Nauka i Religiya, No 12, 1960, pp 26-33.

JPRS 4488

USSR

Soc

Apr 61

147,344

Comparative Study of the Oxidation Reactions of
Pectic Substances, of Cellulose, and of the
Structural Units of These Substances. Communication
2. Oxidative Degradation of Sodium Polygalacturonate
by Means of Molecular Oxygen Sodium Metaperiodate,
and Hydrogen Peroxide, by O. P. Golova, N. S. Mayat,
6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, Sep/Oct 1955, pp 899-905.
CIA 542763-C, reel 3

Consultants Bureau

37,919

Sci - Chemistry

Mechanism of the Oxidative Degredation of Cellulose
in an Alkaline Medium II. Mechanism of the Oxidation of
Cellulose in an Alkaline Medium with Atmosphere Oxygen,
by N. S. Mayat.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 6,
No 9, 1964, pp 1693-98.

*NTIS TT 71-51004

N. S. Mayat

July 71

Comparative Study of the Oxidation Reactions of Pectic Substances, of Cellulose, and of the Structural Units of These Substances. Communication 3. Comparative Study of the Reactivities of the Structural Units of Cellulose and Pectic Substances in Oxidation Reactions with Sodium Metaperiodate and Hydrogen Peroxide, by O. P. Galova, N. S. Mayat, 6 pp.

RUSSIAN, bino per, in Ak Nauk SSSR, Otdel Khim Nauk, No 6, Nov/Dec 1955, pp 1078-1084, CIA 542764 C, reel 3.

Consultants Bureau

Sci - Chemistry

37,642

Aug 1956

Mayat, N. S. and Golova, O. P.

THE PROBLEM OF THE STABILITY OF POLY-SACCHARIDES IN AN ALKALINE MEDIUM (K

Voprosu ob Ustoichivosti Polysakharidov v Shchelochnoy Srede). Jan 61 [34]p. 85 refs. RTS 1614.

Order from LC or SLA mi\$3.00, ph\$6.30 61-15641

Trans. of Uspekhi Khimii (USSR) 1959, v. 28, no. 9, p. 1114-1133.

A review of the literature shows that the presence of the hemiacetal reducing group at the end of the molecule has an important influence on the degradation of mono-, di- and polysaccharides in an alkaline medium in the absence of oxidizing agents. This group is the active center of the transformations of reducing sugars. Owing to its enolizing tendency it can give unstable enediols of polyhydroxy compounds which undergo further changes in an alkaline medium. The influence of the hemiacetal group on molecules of di- and polysaccharides mainly takes the form of weakening of the (Chemistry--Organic, TT, v. 5, no. 9) (over)

61-15641

I. Saccharide polymers--
Stability

I. Mayat, N. S.

II. Golova, O. P.

III. RTS-1614

IV. Department of Scientific
and Industrial Research
(Gr. Brit.)

Office of Technical Services

Contemporary Judaism and Zionism, by F. Mayatskiy,
65 pp.

RUSSIAN, bk, Sovremennyy Iudaizm i Sionizm,
1964, pp 1-95.

JPRS 27764

USSR
Soc
Jan 65

272,343

Magnetic Activity in the Polar Regions, by P. Mayaud..

FRENCH, per, Annales de Geophysique, Vol XII, 1956.
pp 84-101.

CSIRO 5003

Sci - Geophys

Jun 61

157,801

Estimate of the Decrease of the S Field With
Altitude, by P. N. Mayaud.
FRENCH, rpt, Estimation de la Decroissance en
Altitude du Champ S, No 3, Jul 1964.
NASA TT F-9436

Sci-ES/A
Aug 65

U.S. GOVERNMENT ONLY

286,325

A Study of the Decomposition of Organic Matter
in the Soil by Means of Radioactive Carbon. II.
Decomposition of Radioactive Glucose in the Soil,
by Paul Sismart, J. Mayaudon,
FRENCH, per, Plant and Soil, Vol 9, No 4, 1958,
pp 381-384.
NASA TT F-11,073

J. Mayaudon

GOVERNMENT USE ONLY
Sci-Chen

338,750

Study of Decomposition of Organic Matter
in Soil by Means of Radioactive Carbon.
Part I: Kinetics of Oxidation to CO_2 of
Various Radioactive Substrates, by P. Simonart,
J. Mayaudon.

FRENCH, per, Plant and Soil, Vol IX, No 4,
1958, pp 367-375.
NASA TT F-10,899

J. Mayaudon

Sci - ES

Jun 67

GOVERNMENT USE ONLY

326,103

Study of the Decomposition of Organic Matter in
Soil by Radioactive Carbon. II. Decomposition
of Radioactive Glucose in Soil. A. Distribution
of Radioactivity in the Humus Fractions of Soil,
by J. Mayaudon, P. Simonart.
FRENCH, per, Plant and Soil, Vol 9, 1958,
pp 376-380.
NASA TT F-11,041

J. Mayaudon

GOVERNMENT USE ONLY
Sci-Nucl Sci
Aug 67

338,706

Study of Decomposition of Organic Matter in
Soil by Means of Radioactive Carbon. Part III:
Decomposition of Dialyzable Soluble Substances,
Proteins, and Hemicelluloses, by P. Sismart,
J. Mayaudon.

FRENCH, per, Plant and Soil, Vol XI, No 2,
1959, pp 179-175.

NASA TT F-10,901

J. Mayaudon

Sci - 54N

Jun 67

GOVERNMENT USE ONLY

326 104

Study of Decomposition of Organic Matter
in Soil by Means of Radioactive Carbon.
Part V: Decomposition of Cellulose and Lignin,
by P. Sinner, J. Mayaudon.
FRENCH, per, Plant and Soil, Vol XI, No 2,
1969, pp 161-174.
NASA TT F-10,900

Sci - 84M

Jun 67

GOVERNMENT USE ONLY

J. Mayaudon

326,105

Reserves for Raising the Carrying and Traffic Capacity
of a Railroad, by N. S. Konarev, A. R. Mayboroda, 10 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport, Vol XLV,
No 11, 1963, pp 8-12.
JPRS 23748

USSR
Econ
Mar 64

232,146

(NY-1374/23).

New Experimental Data on the Protection of
Hearing Against the Noise of Diesel Engines,
by A. I. B Vozhzhova, A. Ya. Mayboroda, 6 pp.

RUSSIAN, per, Voenno-Med Zhur, No 6, 1959.

JPRS 2549

Sci - Med
Oct 60

129,685

S-550/63

Purification of Fluorescent Conjugates From Free
Fluorochrome With the Aid of Ionites. Report I:
Purification of Antimicrobial Fluorescent Anti-
bodies With the Aid of Anionite AV-17, by
G. M. Mayboroda, I. O. Dashkevich. SF-2705

RUSSIAN, rpt, pp 55-58.

*JPRS

Sci - Chem
Jun 63

The Question of Increasing the Reproducibility
of Spectral Analysis, by I. K. Mayboroda, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 6, 1958,
pp 748-750.

Instru Soc of Amer

Sci

Apr 60

113,342

(SF-2292)

ERADICATION OF TRACHOMA IN TADZHIKISTAN —
THE BUSINESS OF ALL MEDICAL WORKERS OF THE
REPUBLIC, BY YE. I. KOVALEVSKIY, YU. F. MAYCHUK,
4 PP.

RUSSIAN, PER, ZDRAVO-OHRANENIYE TADZHIKISTANA,
VOL XLVI, NO 2, MAR/APR 1962, PP 3-5.

JPRS 14958

SCI - MED

AUG 62

208,937

(SF-5970)

THE USE OF INTER-PLANT ANALYSIS, BY
V. GAVRILAK, B. MAYBACHNIK, 6 PP

RUSSIAN, NP, ECON GAZETA, NO 14,
2 APR 1962, P 15.

JPRS 19688

USSR
ECON
JUN 62

197,800

Investigation of a Transistorized Low-Frequency Self-Oscillator, by A.S. Maydankovskiy, 7 pp.

RUSSIAN, per, Radiotekh i Elektron, No 9, 1961.

AIEE

Sci

Aug 62

207,072

(NY-6426)

Effect of Irradiation on the Physico-Chemical
Properties of the Proteins in the Blood Serum, b
A. P. Maydanov, I. K. Pelikh, I. P. Makarenko,
8 pp.

UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXXII,
No 1, 1961, pp 88-93.

JPRS 9457

Sci - Med

Jul 61

157,100

102
On Random Processes in Simple Linear Delay
Systems, by M. N. Maydanyuk, V. P. Khenik,
5 pp.
RUSSIAN, Col of Art, Publishing House
Resonance Differential with Frequency, All
Union, Institute of Mathematics, 1963, pp 60-63,
FTD-42-64-322

Sci-Mathematical Sci
Feb 63

350,516

M. N. Maydanyuk

Development of Veterinary Science in Mongolia Up
To 1956, by D. Maydar, 26 pp.

MONGOLIAN, mono, Mongolyn Shinjleh Uhaany Mal
Emneleg(1921-1956), 1962, pp 1-148.

FDD Sum No 5489

Sci - Biol & Med
Mar 64

(DC-5903)

Speech by Comrade D. Maydar, Representing
~~BYKH~~ Bayan-Olgii Aymak at the XIV Congress
of the MPRP, 21 pp.

MONGOLIAN, np, Unen, 7 Jul 1961, p 10.

JPRS 11841

Asia - Mongolia

Pol

Jan 62